

DC to Dc Converters: Switching Regulators, External Switch

SYNCHRONOUS SWITCHING REGULATORS																		
	Switch Freq	P CH DRV	N CH DRV	Input Voltage Range		Output Voltage @ Iload=700mA		Output Voltage Accuracy	Line Regulation @ Iload=50mA		Load Regulation 5mA>2A	Iq Normal Max	Iq Sleep Max	Iq Shut down	Current Sense Threshold		# Pins	Price 1000's
	KHz			V Min	V Max	V Min	V Max	% Max	-mV Min	+mV Max	mV	mA	uA	Max	mV Min	mV Max		
Step Down, Constant Off time 4>6 usec																		
< 95 Efficiency																		
ADP1147-3.3	250	primary	na	7	12	3.23	3.43		40	40	65	2.3	250	22	130	170	8	\$2.90
ADP1147-5						4.9	5.2				100						8	
ADP1147						Adj	Adj										8	
Used with external pass transistors, IRF7403 & IRF7204																		
ADP3148-3.3	250	primary	sec'dary	3.5	20	3.23	3.43	1	40	40	65	2.3	250	22	130	170	14	\$3.31
ADP3148-5						4.9	5.2	1			100						14	
ADP3148						Adj	Adj	na									14	
ADP3151-3.3	250	sec'dary	primary	3.5	20	3.23	3.43	1	40	40	65	2.3	250	22	130	170	14	\$3.31
ADP3151-5						4.9	5.2	1			100						14	
ADP3151						Adj	Adj	na									14	
ADP1148-3.3	250	primary	sec'dary	7	12	3.23	3.43	3	40	40	65	2.3	250	22	130	170	14	\$3.31
ADP1148-5						4.9	5.2	3			100						14	
ADP1148						Adj	Adj										14	
Part Number	Vin Volts	Vout Volts	Iout mA	Iq uA	Oscillator KHz	Control Method			Fax Code	Comments							# Pins	Price 1000's
High Frequency Controllers:																		
ADP1147	3.5V to 20V	3.3V, 5V	5mA - 2A	1.6	250	Periodic constant off time			2022	Step-down only, 97% efficiency							8	\$2.90
ADP1148	3.5V, 5V, adj.	3.3V, 5V, adj.	5mA - 2A	1.6	250	Periodic constant off time			2023	98% efficiency							8	\$3.31
ADP3152	5V & 12V	Prgm 1.3 to 3.3	14A		250	Periodic constant off time											16	
ADP3153	5V & 12V	Prgm 1.3 to 3.3	14A		250	Periodic constant off time											18	